

## CP violation in B and charm decays at LHCb

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### Summary

The LHCb experiment has collected large samples of heavy flavoured hadrons during Run 1, corresponding to an integrated luminosity of  $3.0 \text{ fb}^{-1}$  at centre-of-mass energy of 7 and 8 TeV. This talk gives an overview of the CP violation measurement techniques as well as the recent LHCb measurement of the CP asymmetry in  $B^0 \rightarrow \bar{B}^0$  mixing,  $A_{\text{CP}}^{\text{sl}}$ , using charm decays, corresponding to the most precise measurement of this quantity to date.

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**Session Classification:** QCD + Heavy Flavour